

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526663

Luminaire Tested: **GALN-SA1C-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-827-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3593 lumens  
Efficiency: N/A  
Efficacy: 63.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

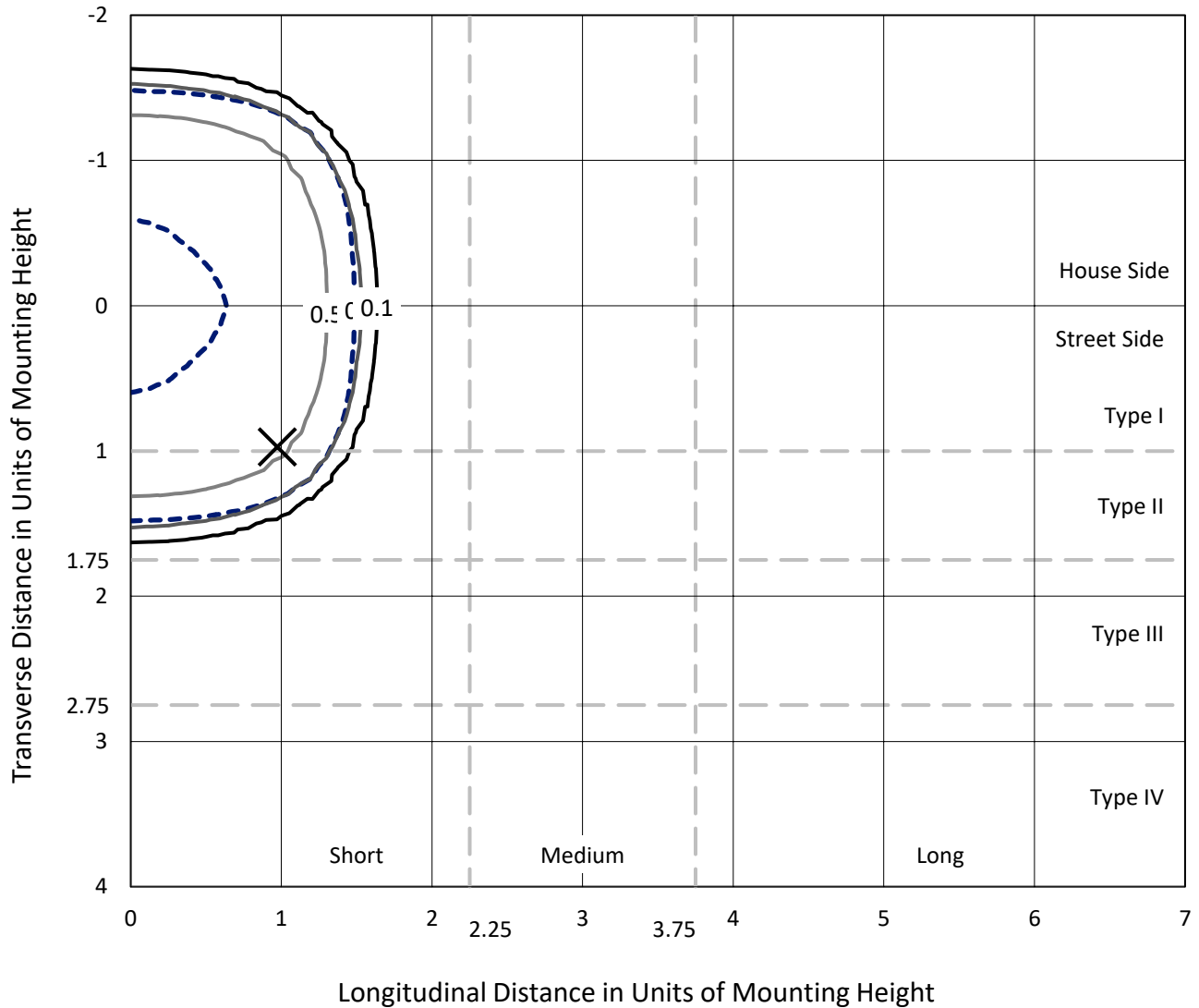
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

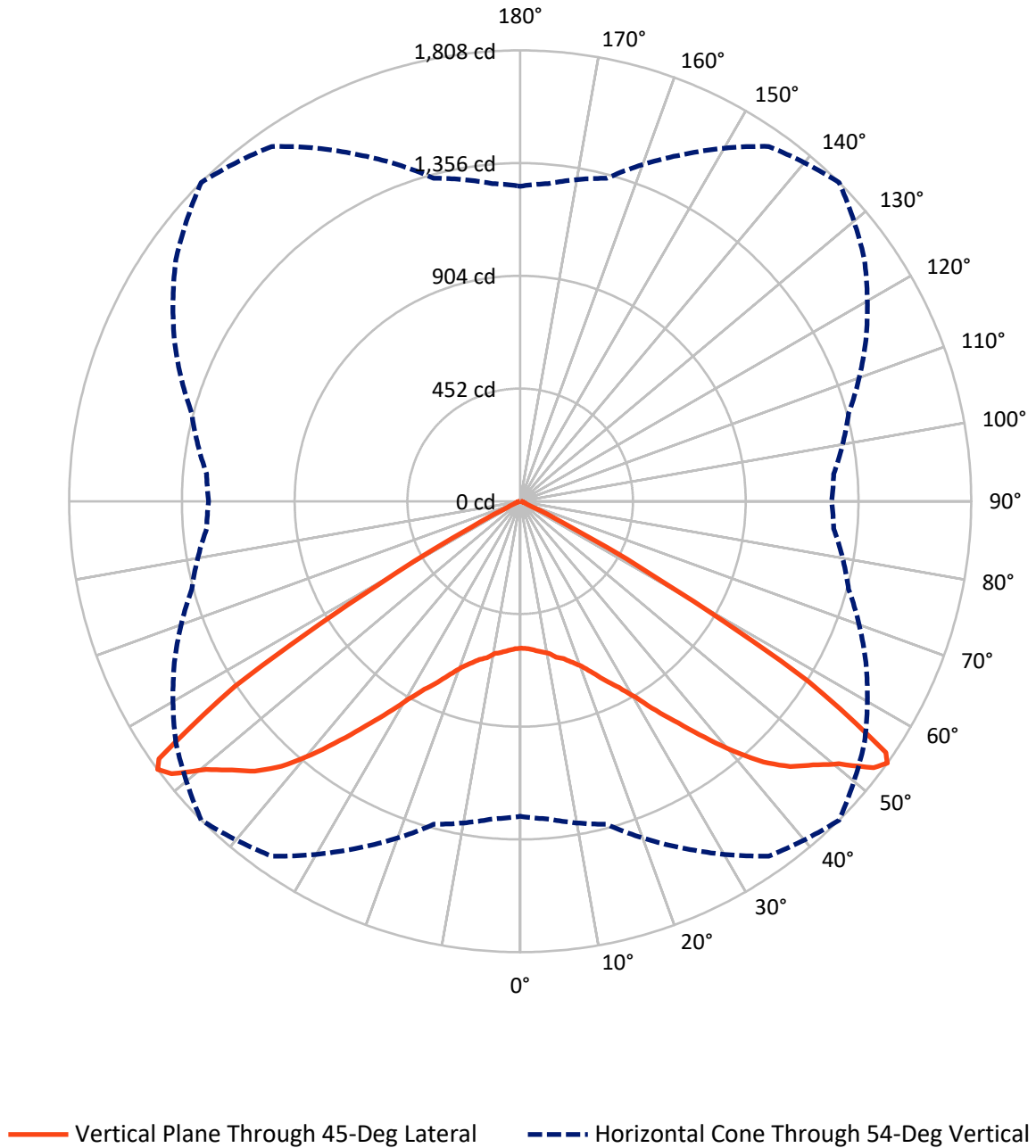
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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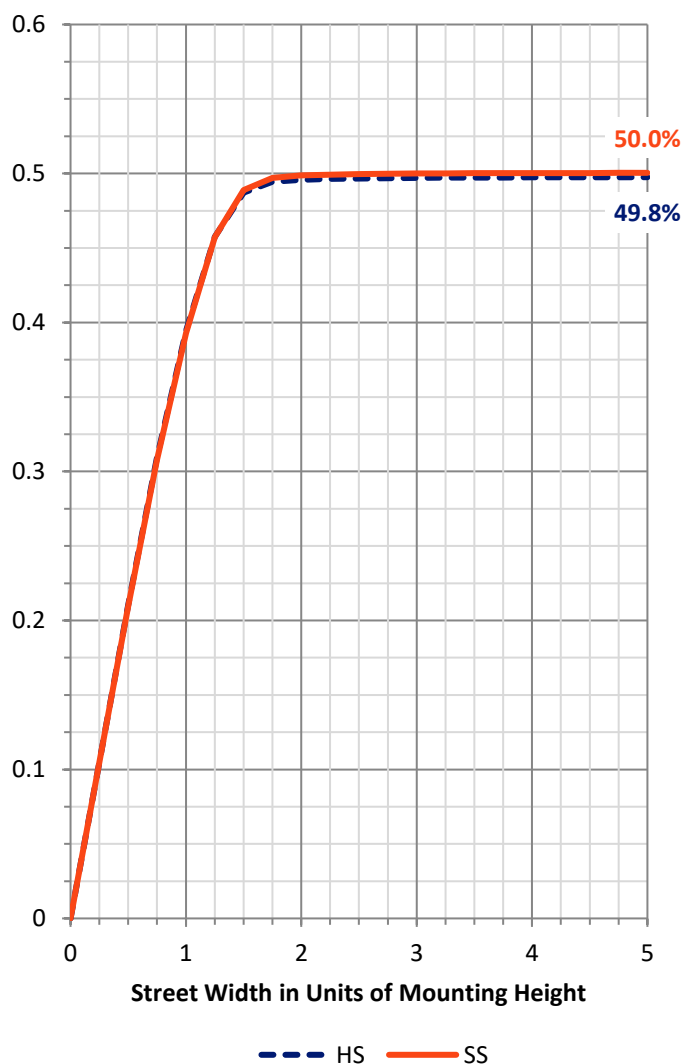
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1796.5	0.0	1796.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1796.5	0.0	1796.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3593.0	0.0	3593.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.7	1.6
10°-20°	186.7	5.2
20°-30°	366.0	10.2
30°-40°	658.1	18.3
40°-50°	1126.6	31.4
50°-60°	1090.1	30.3
60°-70°	93.3	2.6
70°-80°	11.1	0.3
80°-90°	3.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3593.0	100.0
0°-180°	3593.0	100.0

**Coefficient of Utilization**



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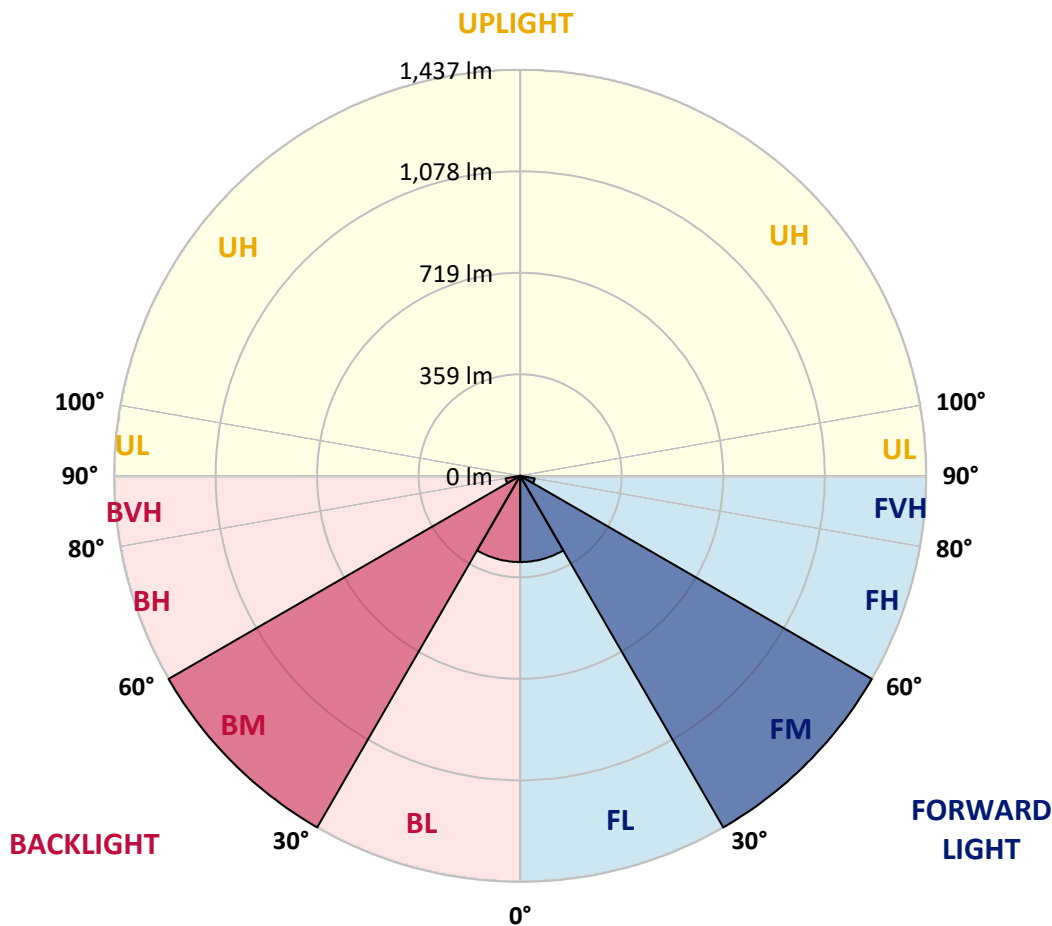
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.2	8.5			
FM (30°-60°)	1437.4	40.0			
FH (60°-80°)	52.2	1.5			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	305.2	8.5	B1/500		
BM (30°-60°)	1437.4	40.0	B2/2500		
BH (60°-80°)	52.2	1.5	B0/110		G0/660
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1	589.1
2.5°	592.0	595.4	593.1	594.8	594.8	592.0	593.7	586.9	591.4	588.0	588.6
5°	601.1	600.5	600.5	601.1	598.8	600.0	597.7	595.4	593.7	591.4	598.2
7.5°	612.5	612.5	608.5	609.6	608.5	610.2	605.6	601.1	599.4	597.7	596.5
10°	623.3	622.2	620.4	625.6	621.6	619.3	617.0	614.2	607.9	605.6	603.4
12.5°	639.2	638.7	636.4	641.5	639.2	641.5	633.0	625.6	624.4	617.0	621.0
15°	658.0	663.1	659.2	659.2	658.0	655.2	651.8	648.3	638.1	635.2	635.8
17.5°	682.5	680.8	681.4	681.4	687.0	679.6	672.8	664.3	659.2	657.4	651.8
20°	705.8	708.1	707.5	711.5	714.9	707.0	699.6	698.4	684.2	686.5	678.5
22.5°	746.8	745.1	748.0	750.8	748.5	747.4	740.6	732.0	719.5	713.8	712.7
25°	790.1	787.2	782.1	788.9	792.4	797.5	784.4	779.8	760.5	751.9	752.5
27.5°	827.1	831.1	836.7	839.6	848.1	846.4	837.3	822.5	807.7	798.0	791.8
30°	877.7	880.0	889.7	893.7	908.5	912.5	898.2	881.1	855.0	842.4	835.0
32.5°	924.4	940.3	939.8	959.7	983.6	1000.1	974.5	948.3	922.1	907.3	894.2
35°	1000.1	997.3	1013.8	1034.8	1073.5	1092.3	1064.4	1034.3	994.4	970.5	960.3
37.5°	1070.7	1071.8	1094.0	1127.6	1172.0	1201.0	1176.6	1127.1	1086.1	1055.3	1041.1
40°	1173.2	1175.4	1198.2	1236.3	1286.4	1317.7	1289.3	1239.2	1184.5	1160.6	1160.6
42.5°	1293.3	1302.9	1317.7	1350.8	1395.7	1430.4	1404.8	1365.6	1310.3	1279.6	1284.2
45°	1416.8	1421.3	1431.0	1480.0	1501.0	1518.1	1494.2	1476.0	1439.0	1401.4	1395.2
47.5°	1532.3	1534.0	1562.5	1577.9	1594.4	1580.1	1595.5	1571.6	1530.1	1493.6	1486.2
50°	1583.6	1580.7	1621.1	1667.8	1680.3	1655.3	1642.2	1626.3	1563.1	1519.2	1499.9
52.5°	1434.4	1450.9	1526.1	1655.9	1753.8	1774.8	1698.5	1625.1	1507.3	1421.9	1408.8
54°	1263.7	1279.0	1341.1	1533.5	1737.3	1808.4	1685.5	1529.5	1363.3	1262.0	1248.9
55°	1094.6	1077.5	1190.2	1386.6	1659.8	1778.8	1633.7	1406.0	1215.8	1123.1	1104.9
57.5°	592.6	595.4	690.5	876.0	1166.3	1363.8	1204.5	951.2	718.4	614.2	605.1
60°	187.8	192.4	233.9	354.1	557.3	665.4	570.4	381.9	264.1	211.7	203.2
62.5°	58.6	60.9	66.6	99.0	152.6	218.0	170.8	102.5	76.3	70.0	71.2
65°	35.9	35.9	36.4	38.7	45.5	52.9	51.2	45.0	43.3	42.1	41.6
67.5°	23.3	22.8	23.9	25.6	26.8	27.3	29.0	30.7	30.2	29.0	29.0
70°	14.2	13.7	14.8	17.1	17.6	18.8	20.5	22.8	22.2	21.1	21.6
72.5°	8.0	8.0	8.5	10.2	12.0	13.1	14.8	16.5	17.1	16.5	16.5
75°	2.8	3.4	4.6	6.3	7.4	9.1	10.8	12.5	14.2	13.1	12.5
77.5°	1.1	1.1	2.3	4.0	5.7	7.4	10.2	12.0	13.1	12.0	10.8
80°	0.6	0.6	1.7	3.4	5.1	6.8	8.5	10.2	10.8	9.7	8.5
82.5°	0.6	0.6	1.7	3.4	5.1	6.3	9.1	10.2	11.4	10.2	8.5
85°	0.0	0.6	1.7	3.4	4.6	5.1	5.1	3.4	2.8	1.7	1.7
87.5°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)